CUSTOMER SATISFACTION NOTIFICATION

NORTH AMERICA

Powertrain Modules Software Update

FCA US LLC

Reference: 79D

2024 (LB) Dodge Charger

2024 (KM) Wagoneer S

Template Version 1.8

Revision	Edition	Detail
1	August 2026	Added additional steps 2-5, 55-70, Updated LOP time allowance and Operation combinations

SYMPTOM DESCRIPTION

The powertrain modules software on about 36 of the above vehicles may contain multiple software issues that could cause various vehicle operating symptoms or conditions.

SCOPE

This campaign applies only to the above vehicles equipped with an electrified powertrain system.

NOTE: Some vehicles above may have been identified as not involved in this campaign and therefore have been excluded from this campaign.

IMPORTANT: Some of the involved vehicles may be in dealer new vehicle inventory. Dealers should complete this campaign service on these vehicles before retail delivery. Dealers should also perform this repair on vehicles in used vehicle inventory and those vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

REPAIR TO BE PERFORMED

Update the software on the following modules: BPCM, MCPA, MCPB, EVCU, and IDCM update software level by following the directions outlined in the Service Procedure below.

Module Reprogramming Sequential Order

When updating control modules, you **MUST** perform inspection and flash programming in the following strictly enforced sequence:

1. **BPCM — Battery Pack Control Module**
2. **MCPA — Motor Control Processor A**
3. **MCPB — Motor Control Processor B**
4. **EVCU — Electrified Vehicle Control Unit**
5. **IDCM — Integrated Dual Charger Module**

Use the following labor operation numbers and time allowances:

NOTE: All LOP's are combination based on which modules were updated, below is the combination of modules, select the operation that was applied to the vehicle, and apply to the LOP number.

Operation 1: (BPCM & MCPA) or (BPCM & MCPB) or (BPCM & IDCM) or (BPCM) or (MCPA & MCPB) or (MCPA & IDCM) or (MCPA) or (MCPB & IDCM) or (MCPB) or (EVCU) or (IDCM)

Operation 2: (BPCM & MCPA & MCPB & IDCM) or (BPCM & MCPA & MCPB) or (BPCM & MCPA & EVCU) or (BPCM & MCPA & IDCM) or (BPCM & MCPB & IDCM) or (BPCM & EVCU) or (MCPA & MCPB & EVCU) or (MCPA & MCPB & IDCM) or (MCPA & EVCU & IDCM) or (MCPB &EVCU) or (EVCU & IDCM)

Operation 3: (BPCM & MCPA & MCPB & EVCU) or (BPCM & MCPA & EVCU & IDCM) or (BPCM & MCPB & EVCU & IDCM) or (MCPA & MCPB & EVCU & IDCM)

Operation 4: (BPCM & MCPA & MCPB & EVCU & ICCM) or (BPCM & MCPA & EVCU & IDCM) or (BPCM & MCPB & EVCU & IDCM) or (MCPA & MCPB & EVCU &IDCM)

Labor Description	Number	Hrs
Inspect BPCM,MCPA,MCPB, EVCU and IDCM software level	18-79-D1-81	0.2hrs
Inspect and Reprogram Modules – **Operation 1**	18-79-D1-82	1.3hrs
Inspect and Reprogram Modules – **Operation 2**	18-79-D1-83	1.4hrs
Inspect and Reprogram Modules – **Operation 3**	18-79-D1-84	1.5hrs
Inspect and Reprogram Modules – **Operation 4**	18-79-D1-85	1.6hrs

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Number	Description
NPN	wiTECH MicroPod II / MDP
NPN	Laptop Computer
NPN	wiTECH Software

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete claim processing instructions.

PARTS INFORMATION

No parts required for this campaign.

SPECIAL TOOLS

The following special tools is /are required to perform this repair:

DEALER NOTIFICATION

To view this notification on DealerCONNECT, select "Global Recall System" on the Service tab, then click on the description of this notification.

Owner Notification and Service Scheduling

All involved vehicle owners known to FCA are being notified of the service requirement by mail. They are requested to schedule appointments for this service with their dealers. A generic copy of the owner letter is attached.

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Service Procedure

The wiTECH scan tool must be used to perform this Customer Satisfaction Notification (CSN). The wiTECH software is required to be at the latest release level before performing this procedure. If the reprogramming flash for the module is aborted or interrupted, repeat the procedure. The BPCM, MCPA, MCPB, EVCU and IDCM module software must be at the latest software calibration level after completing this CSN.

1. Open the hood. Install a battery charger and verify that the charging rate provides 13.0 to 13.5 volts. Do not allow the charger to time out during the flash process. Set the battery charger timer (if so equipped) to continuous charge.

   NOTE: Use an accurate stand-alone voltmeter. The battery charger voltmeter may not be sufficiently accurate. Voltages outside of the specified range will cause an unsuccessful flash. If voltage reading is too high, apply an electrical load by activating the park or headlamps and/or HVAC blower motor to lower the voltage.

2. Remove the front storage bin. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: Service Info> 23 - Body / Exterior / Bin, Storage / Removal.

   NOTE: The cooling fan must be disconnected to prevent it from powering on, which may interrupt/ abort the flash process.

3. Disconnect the cooling fan wire harness connector Fig. 1

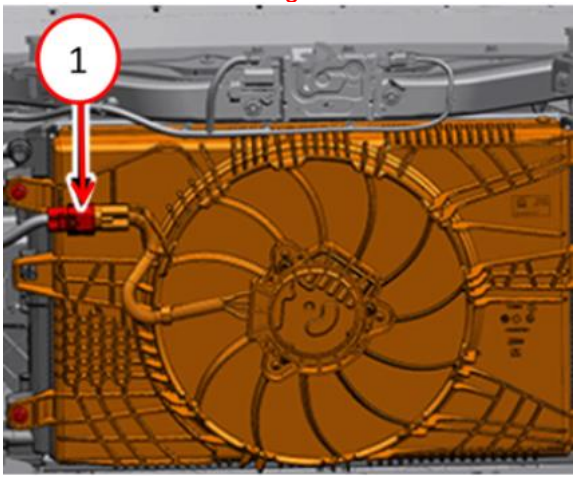

Fig 1. Cooling Fan Assembly

4. From the rear of the vehicle, pull back the carpet to access the rear Power Distribution Center (PDC) Fig. 2

Fig 2. Rear PDC Location

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Service Procedure [Continued]

5. Remove the PDC cover, locate and remove the #38 AGSM fuse Fig. 3.

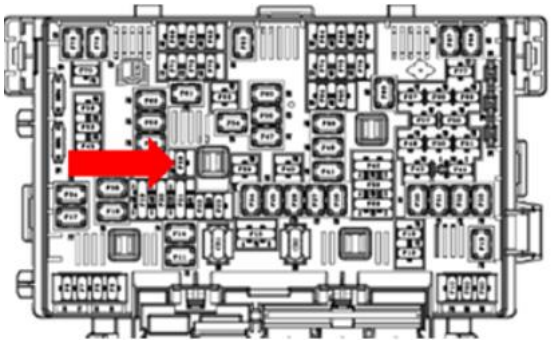

Fig 3. #38 AGSM Fuse Location

CAUTION: Failure to remove the #38 AGSM fuse will result in damage to the shifter.

6. Connect the wiTECH MicroPod II or MDP to the vehicle data link connector.
7. Place the ignition in the **"RUN"** position.
8. Open the wiTECH 2.0 website.
9. Enter your **"User id"** and **"Password"** and your **"Dealer Code"**, then select **"Sign In"** at the bottom of the screen. Click **"Accept".**
10. From the "**Vehicle Selection**" screen, select the vehicle to be updated.
11. From the "**Action Items**" screen, select the "**Topology**" tab.
12. From the "**Topology**" tab, select the "**BPCM Module**" icon.
13. From the "**Flash**" tab, compare the "**Current Electronic Control Unit (ECU) Part Number**" with the "**New ECU Part Number**" listed.

    CAUTION: For MY24LB: If the BPCM is already at the ****68658163AQ/68658163AR**** level, the module must be reprogrammed to the **68658163AS** level. Do not over flash at the ****68658163AQ/68658163AR**** level to get to the ****68658163AS**** level.

    If the BPCM is at software version other than ****68658163AQ/68658163AR****, then flash the BPCM to ****68658163AQ/68658163AR**** first before proceeding to update to **68658163AS.**

    - If the "**Current ECU part Number**" is the same as the "**68658163AS**", proceed to **Step 20**.
    - If the "**Current ECU part Number**" is NOT the same as the "**68658163AS**", continue with **Step 14**.

    For MY24KM: If the BPCM is already at the ****68671899AQ/68671899AR**** level, the module must be reprogrammed to the **68671899AS** level. Do not over flash at the ****68671899AQ/68671899AR**** level to get to the ****68671899AS**** level.
    If the BPCM is at software version other than ****68671899AQ/68671899AR****, then flash the BPCM to ****68671899AQ/68671899AR**** first before proceeding to update to **68671899AS.**

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Service Procedure [Continued]

- If the "**Current ECU part Number**" is the same as the "**68671899AS**", proceed to **Step 20**.
- If the "**Current ECU part Number**" is NOT the same as the "**68671899AS**", continue with **Step 14**.

14. From the BPCM tab, select the flash part number. Read the flash special instructions page. Select "**OK**" to continue.
15. From the flash ECU agreement page, agree to terms by checking the box.
16. Select "**Flash ECU**" and then follow the wiTECH screen instructions to complete the flash.
17. Confirm the software is at the latest available calibration level.
18. Using wiTECH, perform a "**Hard Reset**" under Guided Diagnostics.
19. Click "**View DTCs**", select "**Clear All DTCs**", click "**Continue**" and then click "**Close**".
20. From the "**Action Items**" screen, select the "**Topology**" tab.
21. From the "**Topology**" tab, select the "**MCPA Module**" icon.
22. From the "**Flash**" tab, compare the "**Current Electronic Control Unit (ECU) Part Number**" with the "**New ECU Part Number**" listed.

- If the "**Current ECU part Number**" is the same as the "**New Part Number**", proceed to **Step 29**.
- If the "**Current ECU part Number**" is NOT the same as the "**New Part Number**", continue with **Step 23**.

23. From the MCPA tab, select the flash part number. Read the flash special instructions page. Select "**OK**" to continue.
24. From the flash ECU agreement page, agree to terms by checking the box.
25. Select "**Flash ECU**" and then follow the wiTECH screen instructions to complete the flash.
26. Confirm the software is at the latest available calibration level.
27. Using wiTECH, perform a "**Hard Reset**" under Guided Diagnostics.
28. Click "**View DTCs**", select "**Clear All DTCs**", click "**Continue**" and then click "**Close**".
29. From the "**Action Items**" screen, select the "**Topology**" tab.
30. From the "**Topology**" tab, select the "**MCPB Module**" icon.
31. From the "**Flash**" tab, compare the "**Current Electronic Control Unit (ECU) Part Number**" with the "**New ECU Part Number**" listed.

- If the "**Current ECU part Number**" is the same as the "**New Part Number**", proceed to **Step 38**.
- If the "**Current ECU part Number**" is NOT the same as the "**New Part Number**", continue with **Step 32**.

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Service Procedure [Continued]

32. From the MCPB tab, select the flash part number. Read the flash special instructions page. Select "**OK**" to continue.

33. From the flash ECU agreement page, agree to terms by checking the box.

34. Select "**Flash ECU**" and then follow the wiTECH screen instructions to complete the flash.

35. Confirm the software is at the latest available calibration level.

36. Using wiTECH, perform a "**Hard Reset**" under Guided Diagnostics.

37. Click "**View DTCs**", select "**Clear All DTCs**", click "**Continue**" and then click "**Close**

38. From the "**Action Items**" screen, select the "**Topology**" tab.

39. From the "**Topology**" tab, select the "**EVCU**" icon.

40. From the "**Flash**" tab, compare the "**Current Electronic Control Unit (ECU) Part Number**" with the "**New ECU Part Number**" listed.
- If the "**Current ECU part Number**" is the same as the "**New Part Number**", proceed to **Step 48**.
- If the "**Current ECU part Number**" is NOT the same as the "**New Part Number**", continue with **Step 41**.

41. From the EVCU tab, select the flash part number. Read the flash special instructions page. Select "**OK**" to continue.

42. From the flash ECU agreement page, agree to terms by checking the box.

43. Select "**Flash ECU**" and then follow the wiTECH screen instructions to complete the flash.

44. Confirm the software is at the latest available calibration level.

45. Using wiTECH, perform a "**Hard Reset**" under Guided Diagnostics.

46. Click "**View DTCs**", select "**Clear All DTCs**", click "**Continue**" and then click "**Close**".

47. From the "**Action Items**" screen, select the "**Topology**" tab.

48. From the "**Topology**" tab, select the "**IDCM**" icon.

49. From the "**Flash**" tab, compare the "**Current Electronic Control Unit (ECU) Part Number**" with the "**New ECU Part Number**" listed.
- If the "**Current ECU part Number**" is the same as the "**New Part Number**", proceed to **Step 56**.
- If the "**Current ECU part Number**" is NOT the same as the "**New Part Number**", continue with **Step 50.**

50. From the IDCM tab, select the flash part number. Read the flash special instructions page. Select "**OK**" to continue.

51. From the flash ECU agreement page, agree to terms by checking the box.

52. Select "**Flash ECU**" and then follow the wiTECH screen instructions to complete the flash.

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Service Procedure [Continued]

53. Confirm the software is at the latest available calibration level.

54. Using wiTECH, perform a "**Hard Reset**" under Guided Diagnostics.

55. Click "**View DTCs**", select "**Clear All DTCs**", click "**Continue**" and then click "**Close**".

56. Turn Ignition off

57. Disconnect the 12 volt battery charger and the 12 volt battery for 15 seconds.

58. Reconnect the 12V battery after 15 seconds.

59. Click "**View DTCs**", select "**Clear All DTCs**", click "**Continue**" and then click "**Close**".

60. Is DTC P167B-00 - Controlled System Shutdown now active in the BPCM?

- If **YES,** Proceed ahead with Step 61.
- If **NO,** Proceed ahead with Step 62.

61. Using wiTECH, perform the "Impact Event Fault Reset" routine. This routine is in the 'Misc Functions' menu for the BPCM.

62. Clear DTCs, place the ignition in the "Off" position and allow the vehicle to go to sleep.

    NOTE: The micropod must be disconnected and the ignition must be set to OFF prior to starting the sleep cycle. Additionally, all accessories, lights and electrical units must be turned off, and hood, trunk and all doors must be closed with no one inside the vehicle.

63. Disconnect micropod tool from the vehicle and perform a key cycle.

64. Reconnect micropod tool to the vehicle and clear DTCs.

65. Is the vehicle equipped with Wheel End Disconnect?

- If **YES,** Proceed ahead with Step 66.
- If **NO,** Proceed ahead with Step 67.

66. Using wiTECH, perform a "Wheel End Disconnect Position Learn" routine. This routine is in the 'Misc Functions' menu for the EVCU.

    NOTE: If the Wheel End Disconnect Position Learn routine is not successful, roll the vehicle slightly forward so that the wheel end disconnect actuators can align on the spline before attempting to perform the routine again.

67. Install the #38 AGSM fuse Fig. 3 and the PDC cover Fig. 2.

68. Position the rear carpet in place.

69. Connect the cooling fan wire harness connector Fig. 1.

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Service Procedure [Continued]

70. Install the front storage bin. Refer to the detailed service procedures available in DealerCONNECT/ ServiceLibrary under: Service Info> 23 - Body / Exterior / Bin, Storage / Installation

71. Click "**View DTCs**", select "**Clear All DTCs**", click "**Continue**" and then click "**Close**".

72. Place the ignition in the "**OFF**" position and then remove the wiTECH MicroPod II or MDP device from the vehicle.

73. Perform **10 vehicle sleep cycles** by completing the following.
    - With all doors, frunk and trunk closed, Micropod unplugged and the ignition in the "Off" position, wait for **PRNDL** light to go off, Wait three minutes.
    - Place the ignition in the "On" position.
    - Repeat this process **nine times**.

74. Return the vehicle to the customer.

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This notice applies to your vehicle,

[Model Year and Model]
VIN XXXXXXXXXXXXXXXXX

79D

LOGO

VEHICLE PICTURE

YOUR SCHEDULING OPTIONS

1. **RECOMMENDED OPTION**
   Call your authorized Chrysler / Dodge / Jeep® / RAM / Dealership

2. **Call the FCA Assistance Center at 1-800-853-1403. An agent can confirm part availability and help schedule an appointment**

3. **Visit recalls.mopar.com, scan the QR code below, or download the Mopar Owner's Companion App.**

QR Code

Get access to recall notifications, locate your nearest dealer, and more through this website or Mopar Owner's Companion App. You will be asked to provide your Vehicle Identification Number (VIN) to protect and verify your identity.

DEALERSHIP INSTRUCTIONS
Please reference CSN 79D.

CUSTOMER SATISFACTION NOTIFICATION

Powertrain Modules Software Update

Dear [Name],

At FCA US LLC, we recognize that the success of our business depends on the satisfaction of our customers. We are constantly monitoring the quality of our products and looking for opportunities to improve our vehicles even after they are sold. Because your long-term satisfaction is important to us, we are contacting you on important improvements we would like to make to your vehicle [1]. This will be done at no charge to you.

We are recommending the following improvements be performed on certain [2024 Model Year (LB) Dodge Charger and (KM) Jeep Wagoneer S] equipped with an electrified powertrain system at your earliest convenience.

WHAT IMPROVEMENTS SHOULD I EXPECT?

The software update includes multiple improvements to enhance vehicle operation, including:

Charging & Power

- Improved 12V battery management and charging reliability
- Enhanced high-voltage battery management and state-of-charge accuracy
- Remote Start and Scheduled Charging feature improvements
- Improved charging, thermal management, and high-voltage system performance

Driving Experience

- Reduced "Turtle Mode" events and improved in-vehicle messaging
- Improved drivetrain responsiveness and overall vehicle operation
- Improvements related to overall drivability and park sensor activation

Additional Enhancements

- Improved cabin preconditioning performance
- Enhanced software robustness to help improve vehicle diagnostics

HOW DO I RESOLVE THIS CUSTOMER SATISFACTION NOTIFICATION?

FCA US will repair your vehicle free of charge (parts and labor). To do this, your dealer will update the powertrain modules software. The estimated repair time is about 1 hour. In addition, your dealer will require your vehicle for proper check-in, preparation, and check-out during your visit, which may require more time. Your time is important to us, so we recommend that you schedule a service appointment to minimize your inconvenience. Please bring this letter with you to your dealership.

TO SCHEDULE YOUR FREE REPAIR,
CALL YOUR CHRYSLER, DODGE, JEEP OR RAM DEALER TODAY

We apologize for any inconvenience, but are sincerely concerned about your satisfaction. Thank you for your attention to this important matter.

Customer Assistance/Field Operations
FCA US LLC

FIAT CHRYSLER AUTOMOBILES

Mr. Mrs. Customer
1234 Main Street
Hometown, MI 48371

[1] If you no longer own this vehicle, please help us update our records. Call the FCA Recall Assistance Center at 1-800-853-1403 to update your information.

[2] You can also mail in your original receipts and proof of payment to the following address for reimbursement consideration: FCA Customer Assistance, P.O. Box 21-8004, Auburn Hills, MI 48321-8007, Attention: Recall Reimbursement.